



Examiner Report Suggestions

AS Level/Physics

Physics (9702)

Suggestion	Frequency
It is advisable to read through each question in its entirety before looking at the four possible answers.	20
When answering numerical questions, candidates should take particular care with prefixes and powers-often.	14
Good idea to double-check any calculations performed on a calculator.	7
The spaces on the question paper should be used to carry out the calculations.	7
Questions involving graphs need careful attention.	8
When answering numerical questions, it is a good idea to try to calculate the answer before looking at the answer options.	12
Candidates also need to ensure that the units used in a calculation are consistent.	12
All four answer options should be considered carefully, trying to justify eliminating three of the options as a check to make sure the answer selected is the correct one.	12
Candidates should be able to recall precisely the laws and definitions that are referred to in the syllabus learning outcomes. A wrong or omitted key word can lead to marks not being awarded if it is an important part of a definition.	7
Candidates should ensure that they do not prematurely 'round off' any intermediate answers in a numerical calculation as this can lead to an inaccurate final answer.	6
In 'show that' questions, candidates should methodically present every step of their calculation as well as the final answer.	17
In general, a final answer to a numerical calculation should be expressed as a decimal number and not left as a fraction.	6
Candidates should always read questions carefully and pay particular	14

attention to the command words used in each question.	
It is essential that candidates learn the standard symbol formulae given in the syllabus.	1
Power-of-ten errors are a relatively common cause of lost credit. Often these occur due to the incorrect transcription of data from the question or from mistakes in dealing with unit prefixes.	4
Candidates should use the number of significant figures in the question data as a guide to the number of significant figures required in the final answer.	7
Candidates should choose their wording carefully, especially when giving a definition or explaining a situation.	3
When combining parallel vectors, candidates must always consider whether the vectors are in the same or opposite directions.	3
When taking readings from a graph, candidates should pay attention to the units of graph scales in order to avoid possible power-of-ten errors.	3
Candidates should present all equations with a subject. This presentation helps to prevent errors when equations are rearranged or manipulated in any way.	7
Candidates should be encouraged to write their responses only in the answer spaces provided, in a neat and logical way.	4
Candidates should avoid prematurely rounding interim answers within a calculation as this can lead to the final answer given on the answer line being incorrect.	6
Candidates should attempt every single question part as sometimes credit can be awarded for a partial calculation or answer.	2
Candidates should be able to recall precisely the laws and definitions that are referred to in the syllabus learning outcomes. A wrong or omitted key word can lead to marks not being awarded if it is an important part of a definition.	7



A Note from Mojza

These notes for Physics (9702) have been prepared by Team Mojza, covering the content for AS Level 2022-24. The content of these notes has been prepared with utmost care. We apologize for any issues overlooked; factual, grammatical or otherwise. We hope that you benefit from these and find them useful towards achieving your goals for your Cambridge examinations.

If you find any issues within these notes or have any feedback, please contact us at support@mojza.org.

Acknowledgments

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